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	Application No.	Applicant(s)	
	09/534,723	NAM ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Sow-Fun Hon	1772	
The MAILING DATE of this communication All claims being allowable, PROSECUTION ON THE MER herewith (or previously mailed), a Notice of Allowance (PT NOTICE OF ALLOWABILITY IS NOT A GRANT OF PAT of the Office or upon petition by the applicant. See 37 CF	RITS IS (OR REMAINS) CLOS OL-85) or other appropriate c ENT RIGHTS. This application R 1.313 and MPEP 1308.	Dir this application. If not include the mailed in due on is subject to withdrawal from issue	o course. <b>THIS</b>
1. $igstyle igstyle igstyle$ This communication is responsive to $\underline{\textit{the amendme}}$	nt filed 02/05/04 and the term	nal disclaimer approved 03/10/04.	
2. The allowed claim(s) is/are <u>1-4</u> .			
3. $\boxtimes$ The drawings filed on <u>03/24/2000</u> are accepted by	the Examiner.		
<ul> <li>4.  Acknowledgment is made of a claim for foreign properties.</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents.</li> <li>2.  Certified copies of the priority documents.</li> <li>3.  Copies of the certified copies of the priority documents.</li> <li>International Bureau (PCT Rule 17.2(a))</li> </ul>	nts have been received. nts have been received in App ority documents have been re	lication No	iion from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING noted below. Failure to timely comply will result in ABA THIS THREE-MONTH PERIOD IS NOT EXTENDABLE	NDONMENT of this applicatio	to file a reply complying with the rec n.	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be INFORMAL PATENT APPLICATION (PTO-152) with the control of the contr	oe submitted. Note the attache hich gives reason(s) why the o	d EXAMINER'S AMENDMENT or N bath or declaration is deficient.	OTICE OF
6. CORRECTED DRAWINGS ( as "replacement shee	ets") must be submitted.		
(a) ☐ including changes required by the Notice of Di	raftsperson's Patent Drawing I	Review (PTO-948) attached	
1) 🗌 hereto or 2) 📗 to Paper No./Mail Dat			
(b) including changes required by the attached Expaper No./Mail Date			
Identifying indicia such as the application number (see ach sheet. Replacement sheet(s) should be labeled as	37 CFR 1.84(c)) should be writte such in the header according to	n on the drawings in the front (not the 37 CFR 1.121(d).	back) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the attached Examiner's comment regarding REQUIR</li> </ol>	ne deposit of BIOLOGICAL EMENT FOR THE DEPOSIT	MATERIAL must be submitted. I OF BIOLOGICAL MATERIAL.	Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. 🗌 Notic	e of Informal Patent Application (PT	O-152)
2. Notice of Draftperson's Patent Drawing Review (PT	O-948) 6. ⊠ Inter	view Summary (PTO-413),	
3 ☐ Information Disclosure Statements (PTO-1449 or P	Pap TO/SB/08), 7. ⊠ Exan	er No./Mail Date <u>03112004</u> . niner's Amendment/Comment	

U.S. Palent and Trademark Office PTOL-37 (Rev. 1-04)

of Biological Material

Information Disclosure Statements (PTO-1449 or PTO/SB/08),
 Paper No./Mail Date \_\_\_\_\_

 Examiner's Comment Regarding Requirement for Deposit

8. 

Examiner's Statement of Reasons for Allowance

9. Other \_\_\_\_.

Application/Control Number: 09/534,723

Art Unit: 1772

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kurt Eaton on 02/05/04.

- The application has been amended as follows:
   Withdrawn claims 7-42 are cancelled.
- 3. The terminal disclaimer filed 02/18/04 over US 6,399,165 has been approved.
- 4. The following is an examiner's statement of reasons for allowance: the closest valid cited prior art of record US 5,405,552 neither teaches nor suggests a liquid crystal device comprising an alignment layer comprising the pyranose polymer

where the spacer S is selected from the group consisting of oxygen, sulfur, NH,  $OC_hH_n$ , and  $OC_hH_{2h}$ , and  $OC_hH_{2h}O$ , where h=1 to 5 and m=10 to 10,000, and the functional group R includes  $-CH_2CH_2O$ - attached to

$$-CH = CH = CH = X_1$$

wherein

Application/Control Number: 09/534,723

Art Unit: 1772

 $X_1$  and  $X_2$  are each selected from the group consisting of hydrogen, fluorine, chlorine, CN, NO<sub>2</sub>, CH<sub>3</sub>, OCH<sub>3</sub>, CF<sub>3</sub>, and OCF<sub>3</sub>; k is 0 to 1, Y is selected from the group consisting of hydrogen, fluorine, chlorine, CN, NO<sub>2</sub>, CF<sub>3</sub>, and OCF<sub>3</sub>,  $C_nH_{2n+1}$ , O  $C_nH_{2n+1}$ ,  $C_nH_{2n+1-x}F_x$ , OC<sub>n</sub>H  $_{2n+1-x}F_x$ , (n = 1 to 10, x = 1 to 2n+1), and a liquid crystal layer between the first and second substrate.

US 6,399,165 is no longer valid prior art due to the statement, in the remarks filed 02/18/04, that said patent and the present application were commonly owned, at the time of the invention of the present application, by LG Philips LCD Co., LTD.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Sow-Fun Hon whose telephone number is (571)272-1492. The examiner can normally be reached Monday to Friday from 9:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon, can be reached at (571)272-1498. The fax phone number for the organization where this application or proceeding is assigned is (703)872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

Application/Control Number: 09/534,723

Art Unit: 1772

Page 4

applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sow-Fun Hon

03/11/04

AROLD PYON
SUPERVISORY PATENT EXAMINER

3/15/04